

AiM Infotech

Maserati Quattroporte,
Maserati GranTurismo,
Alfa Romeo 8C
Competizione
ECU

Release 1.02



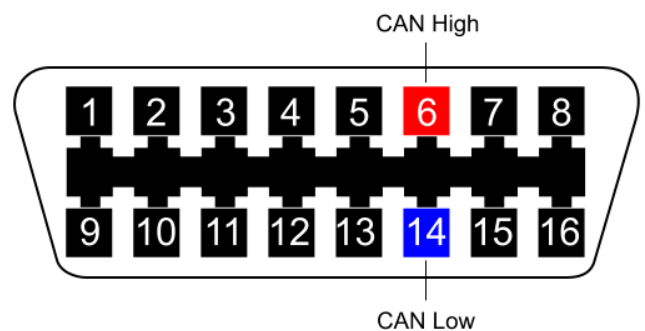
This tutorial explains how to connect Maserati and Alfa Romeo cars to AiM devices. Supported models and years are:

- | | | |
|--------------|-----------------|-----------|
| • Maserati | Quattroporte | 2008-2012 |
| • Maserati | GranTurismo | from 2007 |
| • Alfa Romeo | 8C Competizione | 2007-2010 |

1

CAN connection

These cars feature a bus communication protocol based on CAN on the OBDII plug. This last is located left of the steering wheel on Maserati cars (image here below on the left shows a Maserati GT) and can be found in the same place or under the steering column on Alfa Romeo 8C Competizione. **Please note:** according to the international rules, the OBDII plug is to be in a 60 cm distance area from the steering column. Right image shows OBDII connector pinout; below is connection table.



OBDII connector pin

6

14

Pin function

CAN High

CAN Low

AiM cable

CAN+

CAN-

2

AiM Logger configuration

Before connecting the ECU to the logger, set it up as follows:

Run Race Studio 2 software and select:

- Device Configuration -> Select the device you are using;
- select the configuration or press "New" to create a new one;
- select ECU manufacturer "Maserati" and ECU Model "QuattroPorte_GT (From2007)"
- transmit the configuration to the device pressing "Transmit".

3

Available channels

Channels received by AiM devices connected to "Maserati" "QuattroPorte_GT (from 2007)" protocol are:

| ID | CHANNEL NAME | FUNCTION |
|--------|----------------|--|
| ECU_1 | QP_RPM | RPM |
| ECU_2 | QP_PPS | Gas pedal position sensor |
| ECU_3 | QP_TPS | Throttle position sensor |
| ECU_4 | QP_ECT | Engine cooling temperature |
| ECU_5 | QP_CAT_T_LAMP | Catalyst temperature lamp 0=Normal 1=High 2=Very High |
| ECU_6 | QP_BRAKE_SW | Brake switch |
| ECU_7 | QP_STEER_ANGLE | Steering angle |
| ECU_8 | QP_BRAKE_PRESS | Brake pressure |
| ECU_9 | QP_GEAR | Engaged gear |
| ECU_10 | QP_WH_SPD_RR | Rear right wheel speed |
| ECU_11 | QP_WH_SPD_RL | Rear left wheel speed |
| ECU_12 | QP_WH_SPD_FR | Front right wheel speed |
| ECU_13 | QP_WH_SPD_FL | Front left wheel speed |

Technical note: not all data channels outlined in the ECU template are validated for each manufacturer model or variant; some of the outlined channels are model and year specific, and therefore may not be applicable.